LOGGE			BEGIN DATE	COMPLETION DATE											1)	Н	OLE ID			
T. Carroll 3-7-08 3-7-08						120559.565 / E5995764.236 (NAD83)											M-11			
Gregg Drilling and Testing, Inc.						BOREHOLE LOCATION (Offset, Station, Line) Offset 68ft R Sta 67+97 NB Alignment											SURFACE ELEVATION 12.472 ft (NAVD88)			
DRILLING METHOD Mud Rotary						DRILL RIG CME 550											OREHOLE D	DIAMETER		
	SAMPLER TYPE(S) AND SIZE(S) (ID) SPT							F			5 in. HAMMER EFFICIENCY, ERI									
MC (	Automa				., 30	)-inc	ch d	lrop					76.2%	TOILITOT, LIT						
BOREH	GROUNDV READINGS	GROUNDWATER DURING DRILLING AFTER DRILLING (DATE:												H OF BORING	i					
-	Cem		rout backfill			П										T .	36.5 ft		$\top$	
(ff)						ation	Sample Number	므	-oot	(%)			eight	ıgth	pod #					
ATIC	Œ, H	<sub>m</sub> s			e Loc	2 0	per 6	per F	ery ( <sup>c</sup>	(%	ıre ht (%)	Dry Unit Weight (pcf)	Strer	Met	3					
ELEVATION	DEРТН (ft)	Material Graphics		Description	Sample Location			Blows per 6 In	Blows per Foot	Recovery	RQD (%)	loistu onter	ry Ur	Shear Strength (tsf)	Drilling Method		Dome	arleo.		
H H	-0=	≥0	GRAVELLY lean CLAY	Description Y with SAND (CL), soft, of	dark brown,	S C	S	В	В	~	α_	≥ິບ	۵ ک	S £		)	Rema	arks	+	
	1		moist, GRAVEL is suba	dor. [FILL]	₩ S	31	1							$ \{\} $						
10.47	2	9 V	3" ASPHALT CONCRE			S	- 1								{[					
10.47			Poorly graded GRAVEL poorly compacted, dark	r, slight		S2								<b>}</b>						
	3		hydrocarbon odor, with		S	33														
8.47	4					64												Ė		
	5			_			28													
6.47	6					35	1 2	3	28					$ \langle      $						
0.47							36	1	3	67					$ \langle  $					
	7		CLAYEY SAND (SC), p	gray, wet, fine,	₩,		0	J	0,					X				Ē		
4.47	8			GRAVEL, GRAVEL is fir ay CLAY, with roots. [H		Н		2							$\Box$	8', hole	caving, swit	ch to mud rota	ry 🗏	
	9		FILL												20					
2.47	10														300					
2.47				and GRAVEL (CH), very e to coarse, GRAVEL is		ll s	57	0	0	0										
	11			uent pieces of decompos		Щ		0 0												
0.47	12		Poorly graded SAND (S	SP), very loose, grayish ional piece of coarse to	brown, wet,	Ms	88	0 1	3	67					20					
80/8/11 11/3/11 11/53	13		SAND, with occasional of CLAY.	I fine to coarse GRAVEL	and pockets	$\prod$		2												
-1.53	14		OI OLAT.												<b>M</b>					
															20					
Ž	15		Grades with occasiona	al pockets of CLAY up to	3" diameter.	<b>S</b>	39	2	3	83										
-3.53	16					$\Lambda$		1 2				23.90	129.4	DS =		PA				
ALIX	17		17.01 concrete from	nto (un to 4" diameter)	aradaa	√s	10	3	26	100		<b>26.</b> €	30.3	0.93					E	
5	10		medium dense.	ents (up to 1" diameter), o	grades	M		12 14				24.9	127.9	1.02						
-5.53	18		17.5', grades yellowish	ι μισψη.			T							DS = 1.056	000				E	
5 7	19																		F	
-7.53	20		A piece of glass up to 1	1/4" diameter, SAND gra	ades fine to	S	11		20	94					200					
2 2	21		medium with occasiona 21.5', white ceramic fra	al coarse SAND.	- J <del>-</del>	M		4 6		٠,١					200					
-9.53	22		Poorly graded SAND (S	SP), medium dense, yell	owish brown,	∬s	12	14 3	12	67		19.6	132.2		000000000	PA				
-9.53 5			wet, fine to medium, tra 22.5', heavy zone of iro	ace fines. [COLMA SAN	ID]	$\mathbb{H}$		5 5							0					
OPL T	23		ZZ.O, HEAVY ZONE OF IIC	on onide stailing.		#		υ							<u> </u>					
-11.53	24														2000					
[ ] [ 전 [ 전 [ 전 [ 1 ]	- <sub>25</sub> _														2					
			(continued)				Pi	EBUB.	T TIT	1F							Hi	OLE ID		
Department of Transportation							В	BORING RECORD M-11							1-11					
Š Š				n of Engineering S chnical Services	services		4								1 E/	4 63701				
SNA C			Geolec	annicai dei Vices				PROJECT OR BRIDGE NAME Doyle Drive Replacement Project												
Grades with occasional pockets of CLAY up to 3" diameter.  17.0', concrete fragments (up to 1" diameter), grades medium dense. 17.5', grades yellowish brown.  A piece of glass up to 1/4" diameter, SAND grades fine to medium with occasional coarse SAND. 21 22 Poorly graded SAND (SP), medium dense, yellowish brown, wet, fine to medium, trace fines. [COLMA SAND] 22 25', heavy zone of iron-oxide staining.  Continued)  Department of Transportation Division of Engineering Services Geotechnical Services								BRIDGE NUMBER PREPARED BY N/A T. Carroll								DATE SHEET 11-3-08 1 of 2				
<u></u>								ı/A				ΙΙ.	<u>uari</u>	UII			11-3-0	0   1 01 4		

ELEVATION (ft)	(#) I FO	орем (п)	Material Graphics			Sample Number	Blows per 6 In	Blows per Foot	Recovery (%)	RQD (%)	Moisture Content (%)	Dry Unit Weight (pcf)	Shear Strength (tsf)	-			Remarks		
-13.5		5		Poorly graded SAND (SP), medium dense, yellowish brown, wet, fine to medium, trace fines. [COLMA SAND] Grades dark yellowish brown, dense.	S T	313	21 30 40	70	67					MINI	MC sar	nple at	25' unlir	ned	
-15.5	3 28	3												DDDDDD					
-17.5				Grades yellowish brown, medium dense.	s	314	14	43	89					0000					
-19.5	31 32	1 2		SAND grades fine to very fine.  Grades with iron-oxide mottling.  Poorly graded SAND with CLAY, (SP-SC), medium dense, yellowish brown, moist, fine to very fine, with iron-oxide	\ \\s	315	20 23 11 13	29	83					222222	Cutting	s chanç	ged colo	r from gray n at 34'	ish
-21.5		3 4		mottling.			16							200	brown	to reddi	sh brow	n at 34'	
-23.5		5	- <b>r</b> 1	Poorly graded SAND (SP), dense, dark yellowish brown, moist, fine, with iron-oxide staining.	\s\s	316	16 19	39	100					MANNA					
	37	7		Borehole terminated at a depth of 36.5 feet on 3/7/2008.  See Boring Record Legend for soil classification chart and	<u> </u>		20												
-25.5				key to test data and sampler type.															
-27.5	3 40																		
-29.5 80/8//	3 42																		
-31.5	١	.=																	
-33.5	3 46																		
38.58- -35.5	47 3 48	3																	
-37.5	3 50																		
-39.5 -39.5		1																	
SSON ARUPLOGS -41.5		3   1																	
YLEDRIVE	55	<u></u>																	
CALTRANS FORMAT DOYLEDRIVE_ARUPLOGS_11:2-08.GPJ ARUP LIBRARY_CALTRANS FORMAT.GLB 11/3/08  CALTRANS FORMAT GLB 11/3/08  CALTRANS FORM				Department of Transportation Division of Engineering Services Geotechnical Services		D 4	ROJEC	NG F	RECOUN S.F. R BR	ITY IDGE	E NAI	ROU 101 ME		8.3	STMILE 3/9.4		HOLI M-1 EA 163	1	
CALTRAI						В	Ooyle RIDGE I/A				PRE	men EPARI Carr	t Proje ED BY oll	ect		DAT 11-	E 3-08	SHEET 2 of	2